

RESEARCH, DEVELOPMENT & TECHNOLOGY TRANSFER QUARTERLY PROGRESS REPORT

Wisconsin Department of Transportation
DT1241 8/2010

INSTRUCTIONS:

Research project investigators and/or project managers should complete a quarterly progress report (QPR) for each calendar quarter during which the projects are active.

WisDOT research program category: <input type="checkbox"/> Policy research <input type="checkbox"/> Other <input checked="" type="checkbox"/> Wisconsin Highway Research Program <input type="checkbox"/> Pooled fund TPF#		Report period year: 2013 <input type="checkbox"/> Quarter 1 (Jan 1 – Mar 31) <input type="checkbox"/> Quarter 2 (Apr 1 – Jun 30) <input checked="" type="checkbox"/> Quarter 3 (Jul 1 – Sep 30) <input type="checkbox"/> Quarter 4 (Oct 1 – Dec 31)
Project title: Analysis of Trends/Correlations of Historical WisDOT Soil Lab Test Results Through Development of a Database		
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WisDOT contact: Jeff Horsfall	Phone: 608-243-5993	E-mail: jeffrey.horsfall@dot.wi.gov
WisDOT project ID: 0092-11-04	Other project ID:	Project start date: 10/21/2010
Original end date: 10/21/2012	Current end date: 10/21/2013	Number of extensions: 1

Project schedule status:

☐ On schedule ☐ On revised schedule ☐ Ahead of schedule ☒ Behind schedule

Project budget status:

Total Project Budget	Expenditures Current Quarter	Total Expenditures	% Funds Expended	% Work Completed
\$63,951.00	\$18,009.28	\$45,468.12	71%	60%

Project description:

The objectives of this project are to create an electronic database of WisDOT soil laboratory testing results that will be linked to a Geographic Information System (GIS) to allow for searching WisDOT project related records by spatial location, which will facilitate the planning of geotechnical explorations and provide geotechnical data for planning and design of transportation facilities and to analyze the data in the database for trends and correlations relating to location, soil type, soil classification, geologic source, index properties, structural design values, etc., and to compare the trends to typical published values for respective soil types.

Progress this quarter (includes meetings, work plan status, contract status, significant progress, etc.):

Progress this quarter included continuing to scan data at the Truax facility. Students have been provisioning the data base. Anticipate scanning of data to be completed by August 1 and provisioning completed by Sept 1.

Anticipated work next quarter:

Our plan is to continue scanning Geotechnical data at the DOT Truax Office, continuing to enter data into the database, perform Quality Assurance/Quality Control on the data provisioned into the database, and scanning of Geotechnical Data at the LaCrosse, Superior, Eau Claire, and Wisconsin Rapids Offices Regional Offices. Data collection and provisioning will continue until they are completed.

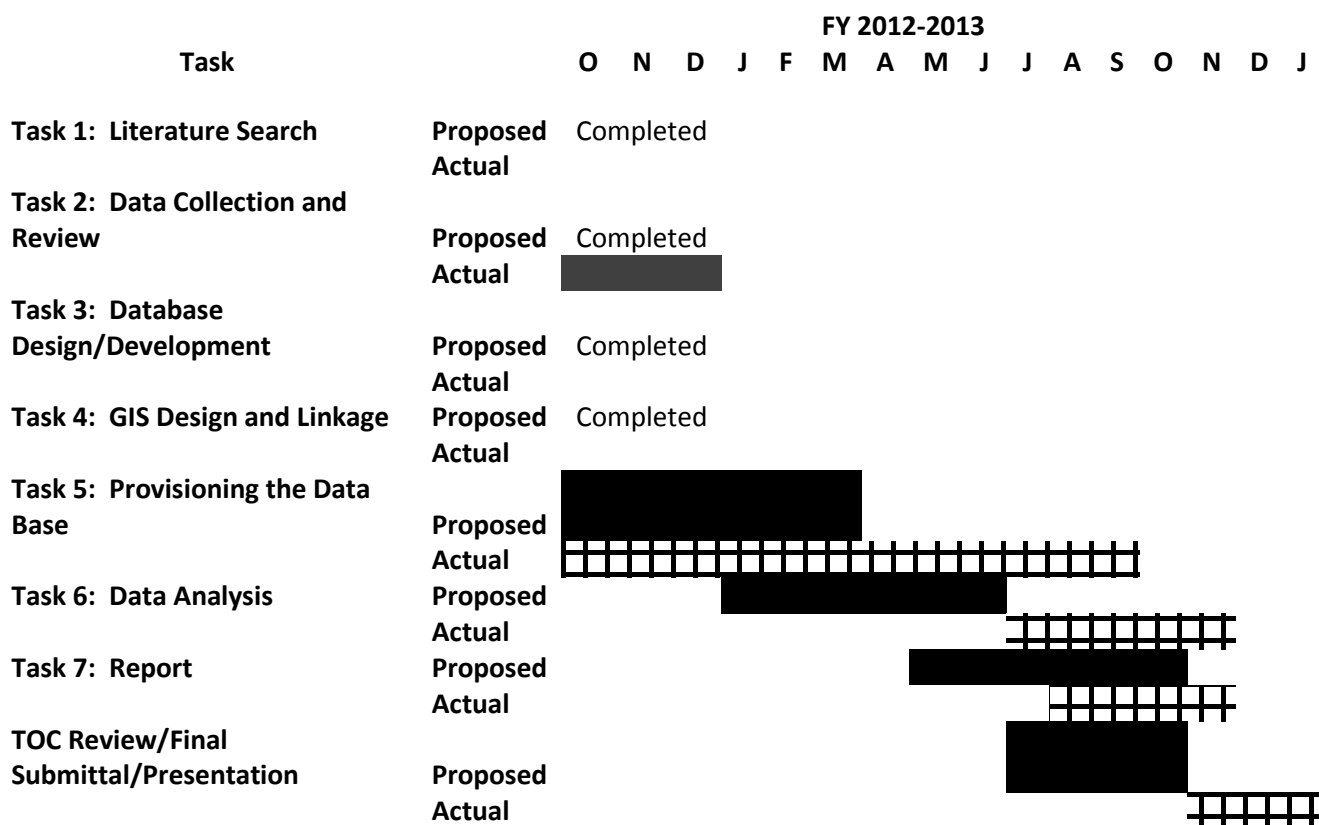
Circumstances affecting project or budget:

We were using a Microsoft Access database. We encountered problems entering data into the database because of a space limit. Research indicated that the maximum size of an Access data base is 2.5 GB. We are switching to an SQL Server database to overcome this problem. A benefit of switching to SQL Server is that the Gint database is also an SQL Sever. We have had to convert the database to a county-based database, which is taking some time, after which the data for each county must be verified, after which data entry can again begin.

Based on this problem and the sheer amount of hard data that is to be scanned (about 12 GB), we have requested an additional no cost extension for this project.

The schedule shown below does not represent the additional extension that has been requested.

Insert Gantt chart and other project documentation – attach additional pages if necessary

Exhibit 1**UW-Platteville Schedule Update**

FOR WISDOT USE ONLY

Staff receiving QPR: K. Dinkins	Date received: 09/30/2013
Staff approving QPR:	Date approved:

